

[illegible]

An apparatus for immediately outputting a response of a synchronous system to an asynchronous event includes an advanced calculation device by means of which the responses of the synchronous system to possible asynchronous events can be calculated in advance. Also, a switching device is included by means of which the output signal from the advanced calculation device or the output signal from the synchronous system can be passed on selectively. It is thus possible to output responses from synchronous systems to asynchronous events immediately after such events occur.